

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

38-083-42  
SPRINGDALE QUADRANGLE  
195 Ky. - 9 Ohio  
N3830-W8330/15  
DIAGRAM NJ 17-4  
HUNTINGTON

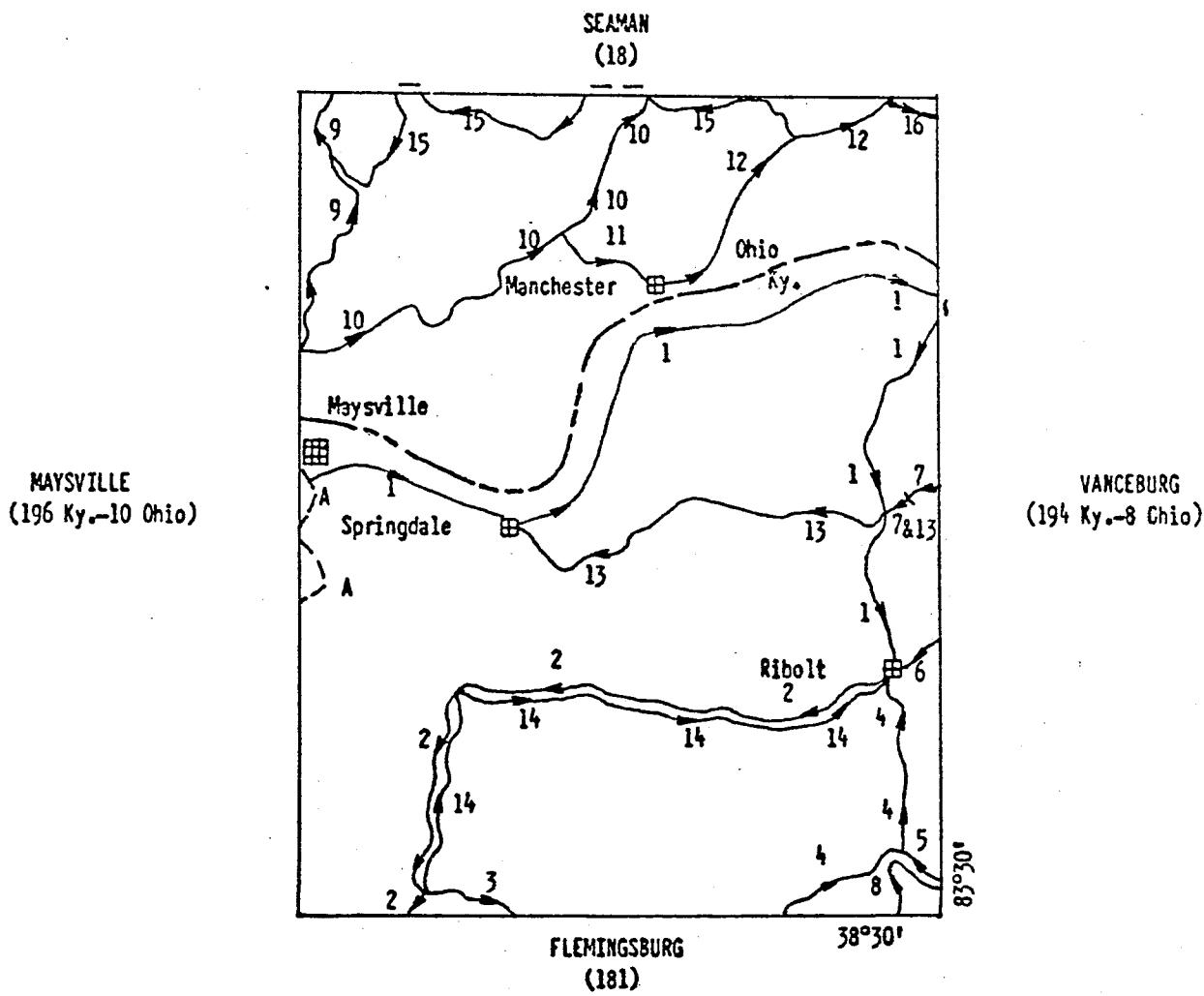
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Fleming, Lewis and Mason Counties, Ky.  
Adams and Brown Counties, Ohio

Final adjustment of 1962

Edition of 5/3/74

PR: LFB/mjh



NGS (USCGS) VERTICAL CONTROL DATA

A. Quadrangle 380834

195 KY. - 9 OHIO  
SPRINGDALE QUADRANGLE

38-083-42  
M3830-W8330/15

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|  | <u>Feet</u> |
|--|-------------|
| ISOLATED BENCH MARKS (By C. E. Mills and Howard Clark, 1910; Books A 8574, A 8575 and A 8576; G. J. Cheney, 1928; Book B 3058)   |             |
| Beasley Fork, at former post office; 4.0 mi W. of Wrightsville; 200 ft E. of large iron bridge over Beasley Fork; 50 ft W. of store; 35 ft SW. of center of rd. forks; on iron post; standard cap stamped "584" (Reported not found, 1951) | 584.452     |
| Wrightsville, at SE. corner of crossing of Manchester-Rome and West Union-Wrightsville pikes; on iron post; standard cap stamped "PRIM TRAV STA NO 17 1910 533"  | 533.381     |
| Aberdeen, 5.8 mi E. of, along Manchester pike; 35 ft SE. of center of forks of T-rd. S. to Ohio River; on iron post; standard cap stamped "554" (Reported not found, 1960)   | 554.676     |
| Manchester, 4.2 mi SW. of; 10 ft S. of forks of T-rd. N. up hollow; on iron post; standard cap stamped "PRIM TRAV STA NO 19 1910 513" (Reported not found, 1960)   | 513.756     |
| Manchester, 0.7 mi E. of, along Manchester-Rome pike; 150 ft W. of angle in rd. NE.; 2 ft E. of telephone pole S. of rd.; on iron post; standard cap stamped "519" (Reported disturbed, 1951)  | 519.554     |
| Maysville, 4.0 mi S. of; 11 ft N. and 3 ft W. of NW. corner of Somo station; 4 ft W. of fence; in concrete post; standard tablet stamped "TT STA 24 N 1929" (Tied by NGS, 1935) (Reported destroyed, 1960)                                 | 846.275     |

LINE 1.

By C. E. Walker, 1929; Book B 3517

|   |         |
|---|---------|
| U. E., Maysville, 0.6 mi SE. of Louisville & Nashville Railroad station along track; at trestle over rd.; at SW. corner of bridge; on stone; chiseled square  | 536.91  |
| U. E., Maysville, at E. edge of; 30 ft SW. of crossing of Chesapeake and Ohio Railway and Carmel Street; on street curb; chiseled square  | 515.47  |
| Springdale, about 2.0 mi below; at Dam No. 33; about 400 ft above C. & O. Ry. culvert over Bull Fork Creek; on U. S. Government property; 311 ft SE. of spike in 12-in. elm tree; 111 ft SW. of spike in 12-in. elm tree; 185 ft above centerline of dam; 100 ft from top of left bank of Ohio River; 24 ft riverside of centerline of riverside track; 3 ft riverside of riverside right-of-way fence of C. & O. Ry.; on 4-in. iron pipe; USED standard cap designated "BM 87" | 515.680 |
| U. E., Dam No. 33, 1.0 mi E. of; on N. side of C. & O. Ry. tracks; on SE. corner of concrete base of semaphore signal tower 5969; chiseled square   | 518.75  |
| "TT STA NO 26 N 1929" (Destroyed, 1976)   | 515.862 |
| Reference mark; 0.2 mi E. of tablet; on NE. corner of bridge over Cabin Creek; chiseled square  | 514.29  |
| U. E., Springdale, 1.5 mi NE. of station; 30 ft W. of rd. crossing; on NW. corner of concrete base of semaphore signal tower 5946; chiseled square  | 519.85  |

LINE 1 (Cont'd.)Feet

|  |         |
|--|---------|
| U. E., Springdale, 2.4 mi NE. of; 1.7 mi SW. of Sand Hill station; 400 ft W. of rd. crossing; on SE. corner of concrete base of semaphore signal 5937; chiseled square   | 517.31  |
| Sand Hill, 0.3 mi NE. of station; 0.9 mi SW. of Trinity Station; 16 ft W. of crossing of private rd. and westbound track; 10 ft S. of fence corner; in concrete post; standard tablet stamped "TT STA NO 27 M 1929" (Reported not found, 1952)               | 535.570 |
| U. E., Trinity Station, 150 ft E. of; 45 ft NE. of rd. crossing; on SW. corner of concrete base of semaphore signal tower; chiseled square   | 529.65  |
| U. E., Trinity Station, 1.0 mi E. of, along C. & O. Ry.; 1.4 mi W. of Irwin; on N. side of track; on SW. corner of concrete base of semaphore signal tower 5899; chiseled square   | 530.19  |
| Irwin, on S. side of track; 2 ft N. of right-of-way fence; 18 ft W. of center of wire gate across rd.; 12 ft S. of S. side of station; in concrete post; standard tablet stamped "TT STA NO 28 M 1929" (Not found, 1962)                                     | 532.199 |
| Reference mark; 500 ft W. of tablet; on NE. corner of concrete base of semaphore signal; chiseled square   | 529.14  |
| U. E., Irwin, 1.0 mi NE. of; 60 ft SW. of rd. crossing; on SE. corner of concrete base of switch block; chiseled square  | 527.58  |
| U. E., Irwin, 2.0 mi NE. of, along C. & O. Ry.; about 0.3 mi E. of Pence station; on S. side of track; on NW. corner of concrete base of semaphore signal 5864; chiseled square  | 527.88  |
| U. E., Irwin, 3.2 mi NE. of; 1.5 mi W. of Concord; 60 ft SW. of crossing of C. & O. Ry. and private rd.; on NW. corner of concrete base of semaphore signal 5852; chiseled square  | 528.98  |
| <u>Jogs into Vanceburg quadrangle</u>  |         |
| U. E., Covedale, 1.7 mi NE. of; 1.0 mi SW. of Concord; at NW. corner of hwy. bridge over Sycamore Creek; on concrete abutment; chiseled square   | 540.28  |
| Covedale; 22 ft N., thence 18 ft W. of former post office; 5 ft N. of telephone pole; 4 ft higher than rd.; in limestone outcrop; standard tablet stamped "TT STA NO 30 M 1929" (Reported destroyed, 1952)   | 909.819 |
| Covedale, 3.5 mi S. of; 3.6 mi N. of Ribolt; 0.7 mi E. of Salem Church; 25 ft S. of center of grassy triangle at fourth class crossroads; 5 ft W. of S. gatepost; in concrete post; standard tablet stamped "TT STA NO 31 M 1929" (Reported not found, 1951) | 766.486 |
| Ribolt; 22 ft N. and 13 ft E. of crossroads; in SW. corner of front yard of W. M. Duzan; in concrete post; standard tablet stamped "TT STA NO 32 M 1929 698"   | 697.472 |

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C. E. Walker

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1929

LINE 2.

Feet

By C. E. Walker, 1929; Book B 3517

"TT STA NO 32 M 1929 698" (Described in line 1)

697.472

Tollesboro, at Tollesboro High School; in E. corner of second step; standard tablet stamped "TT STA NO 37 M 1929" (Reported destroyed, 1951)

820.493

Reference mark; at entrance of Tollesboro High School; on W. end of third concrete step; chiseled square

821.07

U. E., Tollesboro, 0.8 mi W. of; in SW. angle of I-rd. S.; in front of store; on NW. corner of concrete base of gasoline pump; chiseled square

867.52

Orangeburg, 2.5 mi E. of; 18 ft S. and 16 ft E. of crossroads; 4 ft N. of corner of field; in concrete post; standard tablet stamped "TT STA NO 36 M 1929" (Reported destroyed, 1951)

805.931

Orangeburg; 20 ft S. and 23 ft E. of crossroads; in NW. corner of churchyard; in SE. angle of sidewalk; in concrete post; standard tablet stamped "TT STA NO 35 M 1929 760"

760.513

Reference mark; at Christian Church; on E. end of lower concrete step; chiseled square

761.38

Orangeburg, 5.2 mi S. of; 0.5 mi S. of Mt. Gilead; 1.2 mi W. of Poplar Grove; 20 ft S. and 5 ft E. of E. point of grassy triangle at forks of rd. SW. to Wedonia; 26 ft E. of honey locust tree; 2 ft N. of wire fence; in concrete post; standard tablet stamped "TT STA NO 21 M 1929"

818.172

LINE 3.

By C. E. Walker, 1929; Book B 3517

"TT STA NO 21 M 1929" (Described in line 2)

818.172

LINE 4.

By C. E. Walker, 1929; Book B 3517

Nashtown, 1.6 mi NE. of; 4.3 mi S. of Ribolt; 110 ft SE. of crossroads; on top of Eskalapia Mountain; 15 ft W. of centerline of rd.; in top of northwesternmost sandstone ledge; standard tablet stamped "TT STA NO 33 M 1929" (Reported destroyed, 1949)

1127.264

Reference mark; 6 ft N. of tablet; on S. side of rd.; on ledge; chiseled square

1127.34

"TT STA NO 32 M 1929 698" (Described in line 1) (Also in line 2)

697.472

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1929

LINE 5.

By C. E. Walker, 1929; Book B 3517

"TT STA NO 33 M 1929" (Described in line 4) 1127.264

LINE 6.

By C. E. Walker, 1929; Book B 3517

U. E., Ribolt, about 1.0 mi E. of; at T-rd. S.; on N. side of State Highway 10; on W. end of concrete culvert; chiseled square 725.80

"TT STA NO 32 M 1929 698" (Described in line 1) (Also in lines 2 and 4) 697.472

LINE 7.

By J. W. McLaughlin, 1947; Book AV 36

Salem Church, 1.9 mi NE. of; 4.2 mi W. of Martin, along Quick Run; about 120 ft N. of top of hill; 40 ft NW. of junction of Y-rd. NW.; in concrete post; standard tablet stamped "32 JWM 1947 916" 916.321

Reference mark; 200 ft N. of tablet; 15 ft W. of centerline of rd.; on S. headwall of concrete culvert; chiseled square 893.97

"TT STA NO 31 M 1929" (Described in line 1) 766.486

LINE 8.

By J. D. Nikolaus, 1949; Book AV 98

U. E., Ribolt, 5.3 mi S. of; on W. side of rd.; on prolongation of S. wheel track of T-rd. E.; about 20 ft W. of junction; in root on E. side of 36-in. white oak tree; copper nail and washer 1152.19

Ribolt, 4.5 mi S. of; 2.1 mi W. of Glen Springs; 4.0 mi E. of Burtonville; 2.2 mi N. of Mount Zion Church; 460 ft S. of junction of Mount Zion rd.; 15 ft W. of centerline of dirt rd.; 40 ft S. of R.E.A. powerline pole; 1 ft W. of fence on property of Emery Rose; in concrete post; standard tablet stamped "TT 33 DWP 1949 1178" 1178.272

U. E., Ribolt, 5.3 mi S. of, thence 0.5 mi SE.; on S. side of rd.; on NW. tip of small ledge outcrop; chiseled "U" 1011.64

LINE 9.

By E. S. Silcox, 1950; Book AV 194

U. E., Aberdeen, 2.1 mi NE. of, along State Highway 41; about 9 ft SW. of rd.; 20 ft NW. of private drive T-rd. NE.; on bolt on S. end of steel bridge; chiseled cross 550.65

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LINE 9 (Cont'd.)

|   |   |         |
|---|---|---------|
| Aberdeen, 2.5 mi N. of, along State Highway 41; 14 ft SE. of State Highway 763; 110 ft N. of two-story frame house; 6 ft SW. of steel truss on E. end of steel bridge; in concrete abutment; standard tablet stamped "11 ESS 1950 613"                                | Destroyd<br>11-23-38<br>Reported by<br>L.E.Trev/<br>photographe.<br>W.L.B. 12<br>feet | 612.662 |
| Reference mark; about 30 ft NW. of tablet; 12 ft W. of State Highway 763; on W. end of steel bridge; chiseled square  |   | 611.41  |
| Aberdeen, 2.5 mi N. of, along State Highway 41, thence 2.1 mi N. along State Highway 763; 16 ft SW. of rd.; 40 ft S. of private drive; 8 ft SW. of mailbox; 1 ft NE. of fence; in concrete post; standard tablet stamped "12 ESS 1950 776" (Reported not found, 1960) |   | 775.508 |
| Reference mark; about 130 ft SE. of tablet; 11 ft SW. of rd.; on S. side of 30-in. oak tree; copper nail and washer   |   | 779.09  |
| Aberdeen, 2.5 mi N. of, along State Highway 41, thence 3.6 mi N.; 14 ft E. of rd.; 30 ft N. of centerline of private drive; 250 ft SW. of two-story frame house; 1 ft W. of fence; in concrete post; standard tablet stamped "13 ESS 1950 890"                        |   | 889.523 |
| Reference mark; 90 ft SW. of tablet; 13 ft W. of rd.; on N. side of 10-in. locust tree; copper nail and washer  |   | 884.81  |
| U. E., Aberdeen, 2.5 mi N. of, along State Highway 41, thence 5.0 mi N.; 38 ft W. of rd.; 36 ft E. of two-story frame house; 3 ft W. of gate; on SE. corner of concrete walk; chiseled square   |   | 921.11  |

LINE 10.

By J. J. Spahr, 1951; Book AV 226

|  |  |         |
|--|--|---------|
| Aberdeen, 3.2 mi NE. of, along State Highway 41; in village of Ellsbury; 20 ft NE. of NW. corner of Brittingham's General Store; 22 ft SE. of center of hwy.; in concrete post; standard tablet stamped "1 JJS 1951 584"   |  | 584.233 |
| Reference mark; 130 ft SW. of tablet; on E. corner of N. concrete abutment of bridge over creek; chiseled square   |  | 578.00  |
| Ellsbury, 1.2 mi E. of, along State Highway 41; 2.7 mi SW. of junction of Y-rd. at Bradysville; at Adams-Brown County line; 21 ft W. of, and level with centerline of hwy.; 3 ft S. of county line marker; in concrete post; standard tablet stamped "2 JJS 1951 641"              |  | 640.985 |
| Reference mark; 60 ft E. of tablet; in root on NW. side of 36-in. sycamore tree; copper nail and washer  |  | 638.83  |
| Ellsbury, 2.2 mi NE. of, along State Highway 41; on SE. concrete wingwall of bridge over Three Mile Creek; chiseled square   |  | 700.22  |
| Ellsbury, 3.9 mi NE. of, along State Highway 41; 4.8 mi SW. of Bentonville; 160 ft NW. of center of junction with rd. NW. at Bradysville; 30 ft NW. of, and level with centerline of Highway 41; 3 ft SE. of fenceline; in concrete post; standard tablet stamped "3 JJS 1951 748" |  | 748.050 |

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LINE 10 (Cont'd.)Feet

Bentonville, 3.5 mi SW. of, along State Highway 41; 1.3 mi NE. of Bradysville; 47 ft SW. of, and 3 ft lower than center of junction with T-rd. SE. to Manchester; 27 ft S. of centerline of hwy.; 3 ft N. of fenceline; in concrete post; standard tablet stamped "4 JJS 1951 778"

777.245

Reference mark; 22 ft W. of tablet; in root on W. side of 48-in. sycamore tree; copper nail and washer

779.76

Bentonville, 1.8 mi SW. of, along State Highway 41; 3.0 mi NE. of Bradysville; 57 ft NW. of, and level with centerline of intersection of Y-rd. NW.; 33 ft W. of centerline of main paved rd.; 4 ft E. of corner fence post; in concrete post; standard tablet stamped "5 JJS 1951 823" (Reported destroyed, 1960)

822.784

Bentonville; in center of town; about 60 ft E. of rd. crossing; on W. side of pike; in back of telephone pole; on iron post; standard cap stamped "914"

914.627

LINE 11.

By J. J. Spahr, 1951; Book AV 226

"4 JJS 1951 778" (Described in line 10)

777.245

U. E., Bradysville, 1.3 mi NE. of, thence 1.0 mi SE.; 25 ft W. of junction of T-rd. NW.; chiseled square

909.08

Manchester, 0.5 mi N. of, along old U. S. Highway 52; 180 ft N. of N. abutment of steel bridge over Isaacs Creek; 22 ft E. of, and 3 ft higher than centerline of hwy.; 13 ft N. of centerline of private drive E. to barn; 4 ft W. of fenceline; in concrete post; standard tablet stamped "21 JJS 1951 514"

514.309

Reference mark; at NE. corner of concrete abutment of steel bridge over Isaacs Creek; chiseled square

513.59

Manchester; at SW. corner of Second Street and Bentonville-Manchester pike; in NE. corner of fence around pump; opposite Presbyterian Cemetery; on iron post; standard cap stamped "510"

511.287

LINE 12.

By J. J. Spahr, 1951; Book AV 226

"510" (Described in line 11)

511.287

Manchester, 220 ft below USGS bench mark 510; property of J. C. Camody; 150 ft NW. of lower land corner of house of H. E. Denning; 7 ft NE. of upper land corner of greenhouse; 30 ft riverside of centerline of county rd.; 50 ft riverside of fenceline; 450 ft from river bank; on 2-in. galvanized iron pipe mounted on 4 by 4 in. concrete pedestal; copper bolt in center designated "USED Traverse BM NO 626 X"

517.508

U. E., Manchester, 1.6 mi NE. of post office; on S. corner of E. stone abutment of steel bridge over creek; chiseled square

511.89

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LINE 12 (Cont'd.)Feet

|   |         |
|---|---------|
| Manchester, 2.6 mi NE. of post office; 1.8 mi SW. of Catbird School; 65 ft SW. of SW. corner of Island Creek Methodist Church; 25 ft E. of creek bank; 9 ft S. of 4-ft sycamore tree; in concrete post; standard tablet stamped "6 JJS 1951 563"  | 563.346 |
| Reference mark; 100 ft E. of tablet; at SE. corner of Island Creek Methodist Church; on large stone; chiseled square  | 565.08  |
| U. E., Manchester, 3.7 mi NE. of post office; on N. corner of NW. stone wingwall of steel bridge over creek; chiseled square  | 665.03  |
| Beasley Fork, 2.5 mi WSW. of; 4.5 mi NE. of Manchester; 190 ft E. of Catbird School; 57 ft NW. of, and 4 ft higher than centerline of intersection of N.-S. crossroad; 42 ft N. of centerline of E.-W. rd.; 18 ft NW. of 3-ft sycamore tree; in concrete post; standard tablet stamped "7 JJS 1951 839" | 838.274 |
| Reference mark; 190 ft W. of tablet; on E. end of second step to Catbird School; chiseled square  | 844.49  |
| U. E., Beasley Fork, 1.5 mi SW. of steel bridge; 21 ft NE. of centerline of junction of T-rd. N.; on NW. corner of wooden bridge over stream; copper nail and washer  | 686.84  |
| Beasley Fork, 0.3 mi SW. of steel bridge; 2.3 mi NE. of Catbird School; 69 ft S. of, and level with centerline of junction of T-rd. S.; 18 ft W. of centerline of N.-S. rd.; 19 ft N. of steel bridge; in concrete post; standard tablet stamped "8 JJS 1951 596"                                       | 595.363 |
| Reference mark; at N. end of N. concrete abutment of steel bridge over creek; chiseled square   | 595.15  |

LINE 13.

By J. J. Spahr, 1951; Book AV 226

|   |         |
|---|---------|
| "32 JMM 1947 916" (Described in line 7)   | 916.321 |
| Salem Church, 0.6 mi E. of; 1.8 mi N. of Poplar Flat; 63 ft NW. of junction of Y-rd. W. to McKenzie; 20 ft N. of, and 5 ft higher than centerline of E.-W. rd.; 4 ft E. of electric pole; in concrete post; standard tablet stamped "10 JJS 1951 772" | 772.437 |
| Reference mark; 140 ft E. of tablet; in root on W. side of 24-in. oak stump; copper nail and washer   | 773.72  |
| U. E., Salem Church, 0.4 mi W. of; on N. end of 3-ft pipe culvert; chiseled square  | 757.13  |
| U. E., Salem Church, 1.0 mi W. of; at junction of T-rd. N.; in SW. corner of wooden bridge over stream; copper nail and washer  | 686.23  |
| McKenzie; 2.2 mi E. of Fearisville; 33 ft E. of NE. corner of store; in NE. corner of yard of store owner; in concrete post; standard tablet stamped "11 JJS 1951 667"  | 667.335 |
| Reference mark; 23 ft W. of tablet; on W. corner of concrete well housing; chiseled square  | 665.52  |

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10LINE 13 (Cont'd.)Feet

U. E., Fearsville, 1.2 mi E. of; in NW. corner of wooden bridge over stream; copper nail and washer

626.99

Fearsville; 5.3 mi E. of Springdale; 4.0 mi W. of Salem Church; 2 ft W. of SW. corner of Wesley Chapel Methodist Episcopal Church; in concrete post; standard tablet stamped "12 JJS 1951 585"

585.360

Reference mark; 260 ft E. of tablet; on NW. corner of concrete gasoline pump base in front of store; chiseled square

585.52

Springdale, 3.4 mi SE. of; 2.0 mi SW. of Fearsville; 50 ft S. of, and 1 ft lower than centerline of junction of I-rd. W.; 70 ft SE. of SE. corner of covered bridge; 18 ft SW. of centerline of rd.; 2 ft N. of fenceline; in concrete post; standard tablet stamped "13 JJS 1951 522"

522.050

Reference mark; 70 ft NW. of tablet; on SE. corner of wooden bridge (covered); on stone abutment; chiseled square

526.68

Springdale, 1.7 mi SE. of; 3.7 mi SW. of Fearsville; 36 ft NE. of, and 1 ft lower than centerline of junction of Y-rd. S.; 26 ft NE. of centerline of field rd. NW.; 9 ft S. of fenceline; in concrete post; standard tablet stamped "14 JJS 1951 510"

509.980

Reference mark; 60 ft S. of tablet; on W. corner of concrete bridge over stream; chiseled square

514.44

U. E., Springdale, 1.8 mi SE. of; on W. corner of concrete bridge at intersection with rd. SW.; chiseled square

507.84

"TT STA NO 26 M 1929" (Described in line 1)      ~~DESTROYED 1976~~

515.862

LINE 14.

By J. J. Spahr, 1951; Book AV 226

"TT STA NO 21 M 1929" (Described in line 2) (Also in line 3)

818.172

U. E., Mount Gilead, 0.6 mi W. of; 27 ft NW. of centerline of junction of private I-rd. E.; on E. end of stone walk; chiseled square

775.35

Orangeburg, 2.5 mi S. of; 2.0 mi N. of Mt. Gilead; 45 ft S. of, and level with centerline of junction of Y-rd. SE.; 18 ft SW. of centerline of NW.-SE. rd.; 9 ft W. of 4-ft honey locust tree; 2 ft N. of fenceline; in concrete post; standard tablet stamped "15 JJS 1951 751"

750.929

Reference mark; 200 ft W. of tablet; on N. corner of concrete bridge over stream; chiseled square

750.09

U. E., Orangeburg, 1.5 mi S. of; on SW. corner of concrete abutment of steel bridge over North Fork Licking River; chiseled square

740.65

"TT STA NO 35 M 1929 760" (Described in line 2)

760.513

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LINE 14 (Cont'd.)

|   | <u>Feet</u> |
|---|-------------|
| Reference mark; 250 ft S. of tablet; on NW. corner of concrete wingwall of bridge over stream; chiseled square  | 754.05      |
| U. E., Orangeburg, 1.6 mi E. of; 63 ft W. of junction of T-rd. N.; on N. end of concrete pipe culvert; chiseled square  | 896.71      |
| Orangeburg, 2.4 mi E. of; 0.6 mi S. of Rectorville; 72 ft NW. of, and 5 ft higher than centerline of intersection of N.-S. rd.; in NW. corner of intersection; 2 ft S. of fenceline; in concrete post; standard tablet stamped "16 JJS 1951 811"                          | 811.076     |
| Reference mark; 110 ft NW. of tablet; on W. corner of SW. L-shaped concrete headwall of culvert; chiseled square  | 805.26      |
| U. E., Orangeburg, 3.7 mi E. of; on SE. corner of concrete headwall of culvert over stream; chiseled square   | 845.44      |
| Orangeburg, 4.7 mi E. of; 1.7 mi W. of post office, at Tollesboro; 30 ft N. of, and level with centerline of junction of Y-rd. N.; 18 ft N. of centerline of hwy.; 8 ft W. of telephone pole; in concrete post; standard tablet stamped "17 JJS 1951 861"                 | 860.619     |
| Reference mark; 120 ft E. of tablet; on SW. corner of concrete walk; chiseled square  | 859.22      |
| Tollesboro; 3.4 mi SW. of Ribolt; 0.3 mi E. of junction of T-rd. N. (State Highway 57 N.); 27 ft N. of centerline of State Highway 10; at SW. corner of yard of Chelsea A. Merrit; 4 ft N. of telephone pole; in concrete post; standard tablet stamped "18 JJS 1951 816" | 815.907     |
| Reference mark; 80 ft W. of tablet; on SE. corner of concrete walk to house; chiseled square  | 815.21      |
| Ribolt, 1.1 mi SW. of, along State Highway 10; 2.3 mi E. of Tollesboro; 16 ft E. of centerline of hwy.; in SE. wing curb of three 40-ft reinforced concrete deck girder spans; standard tablet stamped "19 JJS 1951 RESET 1955"   | 637.158     |
| "TT STA NO 32 M 1929 698" (Described in line 1) (Also in lines 2,4 and 6)   | 697.472     |

LINE 15.

By J. W. McLaughlin, 1959; Book AV 754

|  |          |
|--|----------|
| "7 JJS 1951 839" (Described in line 12)  | 838.274  |
| Bentonville, 1.7 mi E. of; 47 ft S. of, and 2 ft higher than centerline of rd. opposite house; in NW corner of concrete porch; standard tablet stamped "162 JMM 1959 1021" | 1020.950 |
| "914" (Described in line 10)   | 914.627  |
| Bentonville; 2 ft E. of entrance to Bentonville Rural School; 5 ft higher than sidewalk; set vertically in building; standard tablet stamped "161 JMM 1959 921"            | 921.268  |

Jogs into Seaman quadrangle

SPRINGDALE QUADRANGLE

195 KY. - 9 OHIO

38-083-42

12

LINE 15 (Cont'd.)

feet

Clayton, 85 ft S. of, and 3 ft higher than centerline of crossroads; 10 ft E. of 8-in. maple  
tree; on iron post; standard cap stamped "963"

963.380

Jogs into Seaman quadrangle

"13 ESS 1950 890" (Described in line 9)

889.523

LINE 16.

By J. W. McLaughlin, 1959; Book AV 754

"8 JJS 1951 596" (Described in line 12)

595.363

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

38-083-42  
SPRINGDALE QUADRANGLE  
195 KY.-9 OHIO  
N3830-W8330/15  
DIAGRAM NJ 17-4  
HUNTINGTON

Adams and Brown Counties, Ohio; Fleming,  
Lewis, and Mason Counties, Kentucky

Edition of 5/24/77

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch

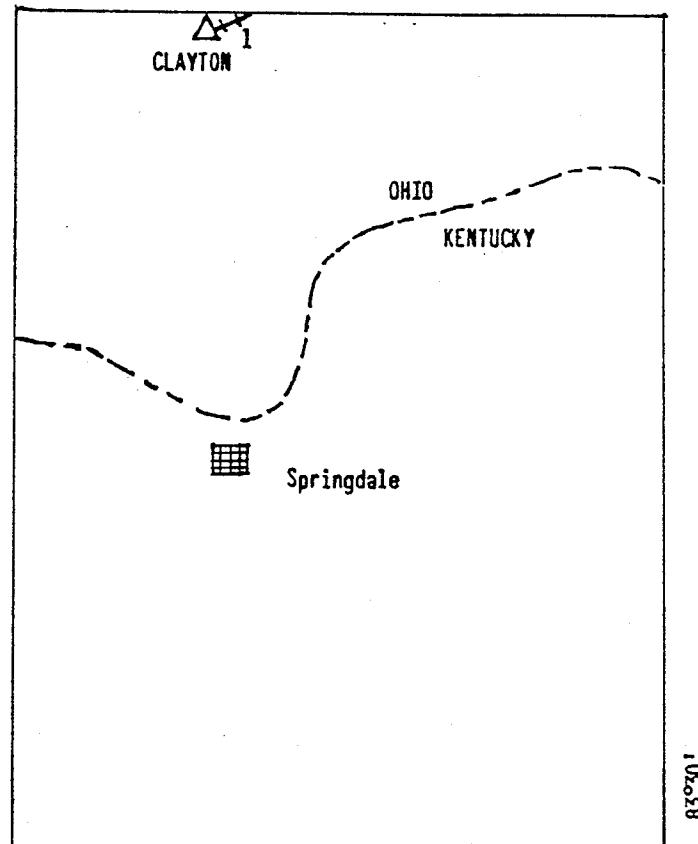
PR: CRV/rmm

Plane coordinates are based on Lambert projection,  
Kentucky, North Zone and Ohio, South Zone

SEAMAN  
(18)

MAYSVILLE  
(196 KY.-10 OHIO)

VANCEBURG  
(194 KY.-8 OHIO)



FLEMINGSBURG  
(181) 38°30'  
83°30'

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

195 KY.-9 IND.  
SPRINGDALE QUADRANGLE

38-083-42  
N3830-W8330/15

INDEX OF PERMANENT MARKS

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| PTS NO 19 OHIO 1910 513 | 3               |                 |
| TT STA NO 21 M 1929     | 3               |                 |
| TT STA NO 24 M 1929     | 3               |                 |
| TT STA NO 26 M 1929     | 3               |                 |
| TT STA NO 27 M 1929     | 3               |                 |
| TT STA NO 28 M 1929     | 3               |                 |
| TT STA NO 30 M 1929     | 4               |                 |
| TT STA NO 31 M 1929     | 4               |                 |
| TT STA NO 32 M 1929 698 | 4               |                 |
| TT STA NO 33 M 1929     | 4               |                 |
| TT STA NO 35 M 1929     | 4               |                 |
| TT STA NO 36 M 1929     | 4               |                 |
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| TT 33 DWP 1949 1178     | 4               |                 |
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| TT 15 RCD 1950          | 5               |                 |
| TT 17 RCD 1950          | 5               |                 |

NGS

CLAYTON 1953 5 1

195 KY.-9 OHIO  
SPRINGDALE QUADRANGLE

38-083-42  
3

| STATION | DESCRIPTION             | LATITUDE  | LONGITUDE |
|---------|-------------------------|-----------|-----------|
|         | PLANE COORDINATES, FEET | °   '   " | °   '   " |

The following positions are considered OBsolete. To be used only to locate permanent marks in the field.

By J. R. Ellis, 1910; Bulletin 552

Wrightsville, at SE. corner of crossing of Manchester-Rome and West Union-Wrightsville pikes; on iron post; standard cap stamped "PRIM TRAV STA NO 17 OHIO 1910 533"

Ky. N.) X = 2,211,042 Y = 440,680 38 42 28.09 83 30 37.64

Manchester, 4.2 mi SW. of; 10 ft S. of forks of T-rd. N.; up hollow; on iron post; standard cap stamped "PRIM TRAV STA NO 19 1910 513" (Not found, 1960)

X = 2,173,978 Y = 420,851 38 39 14.76 83 38 26.89

By S. H. Moyers, 1929; Book C8890

Orangeburg, 5.2 mi S. of; 0.5 mi S. of Mt. Gilead; 1.2 mi W. of Poplar Grove; 20 ft S. and 5 ft E. of E. point of grassy triangle at rd. fork W. to Wedonia; 2 ft N. of wire fence; 26 ft E. of honey locust tree; in concrete post; standard tablet stamped "TT STA NO 21 M 1929"

X = 2,157,424 Y = 365,870 38 30 12.30 83 41 59.67

Maysville, 4.0 mi S. of; 11 ft N. and 3 ft W. of NW. corner of Somon station; 4 ft W. of fence; in concrete post; standard tablet stamped "TT STA NO 24 M 1929" (Reported destroyed, 1960)

X = 2,145,000 Y = 399,720 38 35 47.62 83 44 33.61

"TT STA NO 26 M 1929" (Destroyed, 1976)

X = 2,166,277 Y = 409,494 38 37 22.99 83 40 04.83

Sand Hill Station; 0.3 mi NE. of; 0.8 mi NW. of Trinity; 16 ft W. of westbound track at private rd. crossing; 10 ft S. of fence corner; in concrete post; standard tablet stamped "TT STA NO 27 M 1929" (Not found, 1952)

X = 2,178,772 Y = 426,063 38 40 05.96 83 37 25.98

Irwin Siding; on S. side of track; 2 ft N. of right-of-way fence; 18 ft W. of center of wire gate across rd.; 12 ft S. of S. center of depot; in concrete post; standard tablet stamped "TT STA NO 28 M 1929" (Not found, 1962)

X = 2,194,118 Y = 431,677 38 41 00.38 83 34 11.97

195 KY.-9 OHIO  
SPRINGDALE QUADRANGLE

38-083-42

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| STATION | DESCRIPTION             | LATITUDE | LONGITUDE |
|---------|-------------------------|----------|-----------|
|         | PLANE COORDINATES, FEET | ° ′ ″    | ° ′ ″     |

OBSOLETE MARKS (Cont'd.)

Covedale Post Office; 22 ft N. and 18 ft W. of; 4 ft above surface of rd.; 5 ft N. of telephone pole; in top of limestone outcrop; standard tablet stamped "TT STA NO 30 M 1929" (Reported destroyed, 1952)

Ky. N.)    X = 2,208,424    Y = 423,504    38 39 38.51    83 31 12.38

Covedale, 3.5 mi S. of; 3.6 mi N. of Ribolt; 0.7 mi E. of Salem Church; 25 ft S. of center of grassy triangle at crossroads; 5 ft W. of S. gatepost; in concrete post; standard tablet stamped "TT STA NO 31 M 1929" (Not found, 1951)

X = 2,207,918    Y = 407,432    38 36 59.68    83 31 20.37

Ribolt; 22 ft N. and 13 ft E. of crossroads; in SW. corner of frontyard of residence of W. M. Duzan; in concrete post; standard tablet stamped "TT STA NO 32 M 1929 698"

X = 2,208,798    Y = 392,237    38 34 29.41    83 31 10.80

Mashtown, 1.6 mi NE. of; 110 ft SE. of crossroads; on top of Eskalapia Mountain; 15 ft W. of centerline of rd.; in top of northwesternmost sandstone ledge; standard tablet stamped "TT STA NO 33 M 1929" (Reported destroyed, 1949)

X = 2,210,628    Y = 372,230    38 31 11.49    83 30 49.77

Orangeburg, 20 ft S. and 23 ft E. of crossroads; in NW. corner of churchyard; in SE. angle of sidewalk; in concrete post; standard tablet stamped "TT STA NO 35 M 1929"

X = 2,160,355    Y = 389,089    38 34 01.65    83 41 21.02

Orangeburg, 2.5 mi E. of; 18 ft S. ad 16 ft E. of crossroads; 4 ft N. of corner of field; in concrete post; standard tablet stamped "TT STA NO 36 M 1929" (Reported destroyed, 1950)

X = 2,172,985    Y = 389,321    38 34 03.15    83 38 41.99

Tollesboro; in E. corner of second step of Tollesboro High School; standard tablet stamped "TT STA NO 37 M 1929" (Reported destroyed, 1950)

X = 2,192,033    Y = 386,469    38 33 33.65    83 34 42.43

By D. W. Pinkston, 1949; Book AM 134

Glen Springs, 2.1 mi W. of; 4.0 mi E. of Burtonville; 2.2 mi N. of Mount Zion Church; 460 ft S. of junction of T-rd. on Mt. Zion Road; 15 ft W. of centerline of dirt rd.; 40 ft S. of R.E.A. light pole; 1 ft W. of fence on property of Emery Rose; in concrete post; standard tablet stamped "TT 33 DWP 1949 1178"

X = 2,210,109    Y = 371,943    38 31 08.70    83 30 56.32

195 KY.-9 OHIO  
SPRINGDALE QUADRANGLE

38-083-42

5

| STATION | DESCRIPTION             | LATITUDE  | LONGITUDE |
|---------|-------------------------|-----------|-----------|
|         | PLANE COORDINATES, FEET | °   '   " | °   '   " |

OBSOLETE MARKS (Cont'd.)

By E. M. Thompson, 1950; Book AH 190

Maysville, about 5.0 mi S. of, along graveled rd.; at old Somo Flag Station on L. & N. RR.; 22 ft N. and 32 ft W. of graveled rd. crossing; 15 ft N. of N. rail; in concrete post; standard tablet stamped "TT 15 RCD 1950"

Ky H.)      X = 2,145,021      Y = 399,748      38 35 47.90      83 44 33.34

Aberdeen, 2.5 mi N. of, along State Highway 41; 110 ft N. of two-story frame house; 14 ft SE. of Highway 763; 6 ft SW. of steel bridge; in concrete abutment; standard tablet stamped "11 ESS 1950 613"

X = 2,143,697      Y = 431,387      38 41 00.72      83 44 47.83

Aberdeen, about 5.0 mi N. of, along State Highway 763; 1.0 mi S. of Heitt; 36 ft E. and 9 ft N. of private rd. fork at sharp curve in rd.; on N. side of private drive; in SE. corner of field; in concrete post; standard tablet stamped "TT 17 RCD 1950"

X = 2,149,242      Y = 441,645      38 42 41.81      83 43 37.19

Aberdeen, 5.0 mi N. of; 30 ft N. of centerline of private rd.; 250 ft SW. of two-story frame house; 1 ft W. of fence; in concrete post; standard tablet stamped "13 ESS 1950 890"

X = 2,146,322      Y = 449,001      38 43 54.69      83 44 13.50

THIRD-ORDER ELECTRONIC TRAVERSE

Final adjustment of 1977

LINE 1.

By W. C. Elder, 1959; Book AH 594

NGS standard triangulation station disk stamped "CLAYTON 1953"

X = 2,163,529.17      Y = 453,550.69      38 44 38.656      83 40 36.003